

# Induction Motor Compound Generator Lab Trainer

Premier Induction Motor Compound Generator Lab is an adaptive training system for Electrical laboratories. It is designed to demonstrate the fundamental concepts of DC Compound Generator on different loading conditions. The diagrammatic representation is provided on the control panel so that students can make connections themselves. All protection circuits are inbuilt so there is very less chance of fault or danger.

## Technical Specifications

**Mains Supply :** 415V $\pm$ 10 %, 50Hz

### Machine Specifications:

Both the Machines are flexibly coupled and mounted on C-Channel base.

### Three Phase Induction Motor:

Type : Squirrel Cage  
 Rating : 2 HP  
 Speed : 1440 RPM (no load)  
 Insulation : Class B

### DC Machine Specifications:

Type : Compound  
 Rating : 1 HP  
 Speed : 1500 RPM (no load)  
 Insulation : Class B

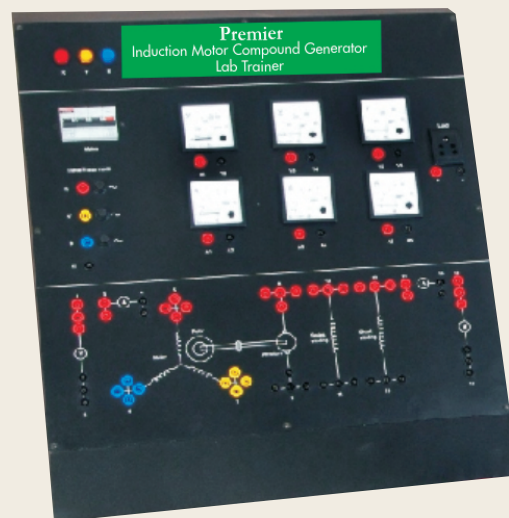
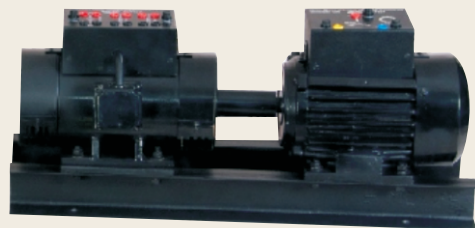
### Meters used:

DC Voltmeter : (MC) 2 Nos.  
 DC Ammeter : (MC) 2 Nos.  
 AC Voltmeter : (MC) 1 No.  
 AC Ammeter : (MC) 1 No.

**Dimensions (mm):** W600 X D350 X H600

### Scope of Learning

- Study & Verify the Load Characteristics of Short Shunt cumulatively Compound Generator
- Study & Verify the Load Characteristics of Long Shunt cumulatively Compound Generator
- Study & Verify the Load Characteristics of Short Shunt differentially Compound Generator
- Study & Verify the Load Characteristics of Long Shunt differentially Compound Generator



### Features

- ▶ Stand alone operation
- ▶ Mechanical Coupling Arrangement
- ▶ Exclusive and rugged designed panel
- ▶ Standard Safety Terminals
- ▶ Designed by considering all the safety precautions
- ▶ High quality meters